

Title (en)

Methods and compositions for the specific inhibition of KRAS by asymmetric double-stranded RNA

Title (de)

Verfahren und Zusammensetzungen für spezifische KRAS-Hemmung mit asymmetrischer Doppelstrang-RNA

Title (fr)

Procédés et compositions pour l'inhibition spécifique de KRAS par de l'ARN double brin asymétrique

Publication

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Application

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- US 17430609 P 20090430
- US 17427909 P 20090430
- US 18381809 P 20090603
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- US 18473509 P 20090605
- US 2009005214 W 20090917
- US 25781009 P 20091103
- US 25782009 P 20091103
- US 28592509 P 20091211
- US 64240409 A 20091218
- US 64237109 A 20091218
- US 64226409 A 20091218
- US 70425610 A 20100211
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Abstract (en)

[origin: WO2011075188A1] The invention provides compositions and methods for reducing expression of a target gene in a cell, involving contacting a cell with an isolated double stranded nucleic acid (dsNA) in an amount effective to reduce expression of a target gene in a cell. The dsNAs of the invention possess a single stranded extension (in most embodiments, the single stranded extension comprises at least one modified nucleotide and/or phosphate back bone modification). Such single stranded extended Dicer-substrate siRNAs (DsiRNAs) were demonstrated to be effective RNA inhibitory agents compared to corresponding double stranded DsiRNAs.

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